fl Slit polymer raids by supplying a mixture of an etching gas/acid neutralizing gas of HF/NH3 to form a water soluble material of sidewall polymer rails left behind on the Al/Cu metal line from the RIE process; and

- c) deionized water rinse chamber means to remove water soluble material.
- 16. (4th Amended) In a metal etch tool for removing post-RIE polymer rails formed on a Al/Cu metal line of a semiconductor structure, the improvement comprising:
- I. an integrated metal etch tool <u>interfaceable with</u> [comprising therein]:
- (a) vacuum chamber means to provide a mixture of etching gas/acid neutralizing gas of  $HF/NH_3$  to said structure to form a water soluble material of sidewall polymer rails left behind on Al/Cu metal line from the RIE process; and
- (b) strip chamber means for removal of photo-resist from said structure by chemical downstream etching or plasma.

## CORRECTED VERSION OF THE AMENDED CLAIMS

- 13. (4th Amended) In a metal etch tool for removing post-RIE polymer rails formed on a Al/Cu metal line of a semiconductor structure, the improvement comprising:
  - I. an integrated metal etch tool interfaceable with:
- a) strip chamber means for water only plasma to strip photo-resist of a semiconductor composite structure subsequent to a RIE to limit thickness of sidewall polymer rails;
- b) vacuum chamber means to chemically modify sidewall polymer rails by supplying a mixture of an etching gas/acid neutralizing gas of HF/NH<sub>3</sub> to form a water soluble material of sidewall polymer rails left behind on the Al/Cu metal line from the RIE process; and
- c) deionized water rinse chamber means to remove water soluble material.
- 16. (4th Amended) In a metal etch tool for removing post-RIE polymer rails formed on a Al/Cu metal line of a semiconductor structure, the improvement comprising:
  - I. an integrated metal etch tool interfaceable with:
- (a) vacuum chamber means to provide a mixture of etching gas/acid neutralizing gas of  $HF/NH_3$  to said structure to form a water soluble material of sidewall polymer rails left behind on Al/Cu metal line from the RIE process; and
- (b) strip chamber means for removal of photo-resist from said structure by chemical downstream etching or plasma.